

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: LITTLE, *et al.*

Serial No. 08/786,988

Confirm No. 5922

Customer No. 24961



Filed: January 23, 1997

For: *SYSTEMS AND METHODS FOR
PREPARING AND ANALYZING
LOW VOLUME ANALYTE ARRAY
ELEMENTS*

Art Unit: 1743

Examiner: Gakh, Y. G.

TRANSMITTAL LETTER

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are nineteen of the documents (Item numbers C-E, I, L, R, U, BL, BO, BP, BV-CA, CC, CN and CP) noted to arrive under separate cover in the Information Disclosure Statement and Forms PTO-1449, filed February 18, 2004, in connection with the above-identified application. Should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 06-1050, as stated below:

- ☒ The Commissioner is hereby authorized to charge any fee, including any submitted herewith if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Respectfully submitted,
Fish & Richardson P.C.

By:


Stephanie L. Seidman
Registration No. 33,779

March 15, 2004

Attorney Docket No. 24736-2001D

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|--|---------------------------------|--------------------------|--------------------|
| FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO. 24736-2001D | SERIAL NO. 08/786,988 | CONFIRM NO.5922 |
| | APPLICANT Little et al. | CUSTOMER NO. 24961 | |
| | FILING DATE 01/23/97 | GROUP 1743 | |

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+ Derwent English language abstract and/or English translation provided.

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | *Ref. Code | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUB CLASS | FILING DATE |
|---------------------|---------------|-----------------|---|---|---|---|---|---|----------|--------------------|-------|--------------|----------------|
| | A | 0 | 0 | 0 | 3 | 4 | 6 | 5 | 01/02/03 | Little et al. | 435 | 6 | 11/06/01 |
| | B | 0 | 0 | 0 | 8 | 6 | 1 | 5 | 07/19/01 | Little et al. | 422 | 102 | 08/09/99 |
| * | C | 0 | 0 | 0 | 9 | 3 | 9 | 4 | 01/24/02 | Köster et al. | 422 | 65 | 04/02/99 |
| * | D | 0 | 0 | 1 | 7 | 4 | 6 | 9 | 01/23/03 | Risinger et al. | 435 | 6 | 08/30/01 |
| * | E | 0 | 0 | 1 | 8 | 9 | 9 | 9 | 02/14/02 | Henriksson et al. | 435 | 6 | 02/23/01 |
| | F | 0 | 0 | 2 | 2 | 2 | 2 | 5 | 01/30/03 | Monforte et al. | 435 | 6 | 07/22/02 |
| | G | 0 | 0 | 3 | 3 | 0 | 9 | 1 | 02/13/03 | Opalsky et al. | 702 | 20 | 04/22/02 |
| | H | 0 | 0 | 3 | 6 | 0 | 5 | 7 | 02/20/03 | Braun et al. | 435 | 6 | 03/09/01 |
| * | I | 0 | 0 | 4 | 0 | 1 | 3 | 0 | 04/04/02 | Braun | 536 | 23.1 | 04/12/01 |
| | J | 0 | 0 | 5 | 5 | 8 | 1 | 1 | 12/27/01 | Hillenkamp | 436 | 43 | 05/07/98 |
| | K | 0 | 0 | 9 | 6 | 4 | 2 | 6 | 05/22/03 | Little et al. | 436 | 173 | 07/30/99 |
| * | L | 0 | 1 | 0 | 2 | 7 | 2 | 5 | 08/01/02 | Zabarovsky et al. | 435 | 325 | 12/20/00 |
| | M | 0 | 1 | 0 | 9 | 0 | 8 | 5 | 08/15/02 | Hillenkamp et al. | 250 | 288 | 04/03/02 |
| | N | 0 | 1 | 1 | 1 | 4 | 9 | 4 | 06/19/03 | Lin et al. | 222 | 505 | 10/25/02 |
| | O | 0 | 1 | 1 | 3 | 2 | 3 | 3 | 06/19/03 | Nanthakumar | 422 | 100 | 10/25/02 |
| | P | 0 | 1 | 1 | 3 | 7 | 4 | 5 | 06/19/03 | Monforte et al. | 435 | 6 | 05/13/02 |
| | Q | 0 | 1 | 2 | 4 | 7 | 3 | 5 | 07/03/03 | Nanthakumar et al. | 436 | 180 | 10/25/02 |
| * | R | 0 | 1 | 2 | 9 | 5 | 8 | 9 | 07/10/03 | Köster et al. | 435 | 6 | 11/06/97 |
| | S | 0 | 1 | 4 | 2 | 4 | 8 | 3 | 10/03/02 | Yao et al. | 436 | 180 | 10/24/01 |
| | T | 0 | 1 | 4 | 8 | 5 | 2 | 8 | 08/07/03 | Hillenkamp | 436 | 43 | 05/10/99 |

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Title: SYSTEMS AND METHODS FOR PREPARING AND ANALYZING LOW VOLUME ANALYTE ARRAY ELEMENTS

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|---------------------|---------------|-----------------|---|---|---|---|---|---|----------|------------------|-------|--------------|----------------|
| * | U | 0 | 1 | 5 | 5 | 5 | 8 | 7 | 10/24/02 | Opalsky et al. | 435 | 287.2 | 04/20/01 |
| | V | 0 | 1 | 8 | 0 | 1 | 4 | 8 | 09/25/03 | Weng | 417 | 12 | 03/21/02 |
| | W | 0 | 1 | 8 | 0 | 7 | 4 | 9 | 09/25/03 | Köster et al. | 435 | 6 | 10/15/02 |
| | X | 0 | 1 | 9 | 0 | 6 | 4 | 4 | 10/09/03 | Braun et al. | 435 | 6 | 10/15/02 |
| | Y | 0 | 2 | 0 | 7 | 2 | 9 | 7 | 11/06/03 | Köster et al. | 435 | 6 | 10/15/02 |
| | Z | 0 | 2 | 2 | 0 | 8 | 4 | 4 | 11/27/03 | Marnellos et al. | 705 | 26 | 08/08/02 |
| | AA | 0 | 2 | 2 | 4 | 4 | 1 | 8 | 12/04/03 | Braun et al. | 435 | 6 | 03/27/03 |
| | AB | 0 | 2 | 2 | 8 | 5 | 9 | 4 | 12/11/03 | Köster | 435 | 6 | 02/24/03 |
| | AC | 5 | 8 | 6 | 4 | 1 | 3 | 7 | 01/26/99 | Becker et al. | 250 | 287 | 10/01/96 |
| | AD | 5 | 9 | 6 | 5 | 3 | 6 | 3 | 10/12/99 | Monforte et al. | 435 | 6 | 12/02/96 |
| | AE | 6 | 0 | 5 | 1 | 3 | 7 | 8 | 04/18/00 | Monforte et al. | 435 | 6 | 03/04/97 |
| | AF | 6 | 0 | 9 | 0 | 5 | 5 | 8 | 07/18/00 | Butler et al. | 435 | 6 | 09/18/98 |
| | AG | 6 | 1 | 0 | 4 | 0 | 2 | 8 | 08/15/00 | Hunter et al. | 250 | 288 | 05/29/98 |
| | AH | 6 | 1 | 9 | 4 | 1 | 4 | 4 | 02/27/01 | Köster | 435 | 6 | 03/18/96 |
| | AI | 6 | 1 | 9 | 7 | 4 | 9 | 8 | 03/06/01 | Köster | 435 | 6 | 04/06/99 |
| | AJ | 6 | 2 | 0 | 7 | 3 | 7 | 0 | 03/27/01 | Little et al. | 435 | 6 | 09/02/97 |
| | AK | 6 | 2 | 2 | 1 | 6 | 0 | 1 | 04/24/01 | Köster et al. | 435 | 6 | 11/02/99 |
| | AL | 6 | 2 | 2 | 1 | 6 | 0 | 5 | 04/24/01 | Köster | 435 | 6 | 02/15/00 |
| | AM | 6 | 2 | 2 | 5 | 0 | 6 | 1 | 05/01/01 | Becker et al. | 435 | 6 | 03/10/99 |
| | AN | 6 | 2 | 2 | 5 | 4 | 5 | 0 | 05/01/01 | Köster | 536 | 22.1 | 06/07/95 |

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| | AO | 6 | 2 | 3 | 5 | 4 | 7 | 8 | 05/22/01 | Köster | 435 | 6 | 04/06/99 |
| | AP | 6 | 2 | 3 | 8 | 8 | 7 | 1 | 05/29/01 | Köster | 435 | 6 | 05/08/00 |
| | AQ | 6 | 2 | 5 | 8 | 5 | 3 | 8 | 07/10/01 | Köster et al. | 435 | 6 | 04/06/99 |
| | AR | 6 | 2 | 6 | 5 | 7 | 1 | 6 | 07/24/01 | Hunter et al. | 250 | 288 | 02/29/00 |
| | AS | 6 | 2 | 6 | 8 | 1 | 3 | 1 | 07/31/01 | Kang et al. | 435 | 6 | 12/15/97 |
| | AT | 6 | 2 | 6 | 8 | 1 | 4 | 4 | 07/31/01 | Köster | 435 | 6 | 09/15/99 |
| | AU | 6 | 2 | 7 | 7 | 5 | 7 | 3 | 08/21/01 | Köster et al. | 435 | 6 | 04/06/99 |
| | AV | 6 | 3 | 0 | 0 | 0 | 7 | 6 | 10/09/01 | Köster | 435 | 6 | 01/31/00 |
| | AW | 6 | 3 | 0 | 3 | 3 | 0 | 9 | 10/16/01 | Jurinke et al. | 435 | 6 | 06/21/99 |
| | AX | 6 | 3 | 8 | 7 | 6 | 2 | 8 | 05/14/02 | Little et al. | 435 | 6 | 09/18/00 |
| | AY | 6 | 3 | 2 | 2 | 9 | 7 | 0 | 11/27/01 | Little et al. | 435 | 6 | 09/02/98 |
| | AZ | 6 | 4 | 2 | 8 | 9 | 5 | 5 | 08/06/02 | Köster et al. | 435 | 6 | 11/06/96 |
| | BA | 6 | 4 | 8 | 5 | 9 | 1 | 3 | 11/26/02 | Becker et al. | 435 | 6 | 10/02/00 |
| | BB | 6 | 5 | 0 | 0 | 6 | 2 | 1 | 12/31/02 | Köster | 435 | 6 | 02/28/01 |
| | BC | 6 | 5 | 5 | 8 | 9 | 0 | 2 | 05/06/03 | Hillenkamp | 435 | 6 | 05/07/99 |
| | BD | 6 | 5 | 6 | 6 | 0 | 5 | 5 | 05/20/03 | Monforte et al. | 435 | 6 | 06/03/98 |
| | BE | 6 | 5 | 6 | 9 | 3 | 8 | 5 | 05/27/03 | Little et al. | 422 | 100 | 10/28/99 |
| | BF | 6 | 5 | 8 | 9 | 4 | 8 | 5 | 07/08/03 | Köster | 422 | 104 | 06/11/01 |
| | BG | 6 | 6 | 0 | 2 | 6 | 6 | 2 | 08/05/03 | Köster et al. | 435 | 6 | 11/28/00 |
| | BH | 6 | 6 | 3 | 5 | 4 | 5 | 2 | 10/21/03 | Monforte et al. | 435 | 91.1 | 12/10/97 |

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| | | | | | | | | | | | | | Yes | No |
| | BI | 0 | 0 | 5 | 6 | 4 | 4 | 6 | 09/28/00 | PCT | | | | |
| | BJ | 0 | 0 | 6 | 0 | 3 | 6 | 1 | 10/12/00 | PCT | | | | |
| | BK | 0 | 1 | 0 | 1 | 1 | 7 | 7 | 12/11/03 | PCT | | | | |
| * | BL | 0 | 1 | 2 | 7 | 8 | 5 | 7 | 04/19/01 | PCT | | | | |
| | BM | 0 | 1 | 9 | 6 | 6 | 0 | 7 | 12/20/01 | PCT | | | | |
| | BN | 0 | 2 | 0 | 4 | 4 | 8 | 9 | 01/17/02 | PCT | | | | |
| * | BO | 0 | 2 | 2 | 5 | 5 | 6 | 7 | 03/28/02 | PCT | | | | |
| * | BP | 02 | 0 | 5 | 5 | 1 | 9 | 9 | 07/18/02 | PCT | | | | |
| | BQ | 02 | 0 | 7 | 2 | 6 | 0 | 4 | 09/19/02 | PCT | | | | |
| | BR | 02 | 0 | 8 | 6 | 7 | 9 | 4 | 10/31/02 | PCT | | | | |
| | BS | 03 | 0 | 3 | 5 | 2 | 3 | 9 | 05/01/03 | PCT | | | | |
| | BT | 03 | 0 | 3 | 5 | 2 | 6 | 0 | 05/01/03 | PCT | | | | |
| | BU | 03 | 0 | 3 | 6 | 2 | 6 | 3 | 05/01/03 | PCT | | | | |
| * | BV | 03 | 0 | 4 | 0 | 4 | 0 | 8 | 05/15/03 | PCT | | | | |
| * | BW | 03 | 0 | 8 | 7 | 4 | 1 | 0 | 10/23/03 | PCT | | | | |
| * | BX | 1 | 1 | 6 | 4 | 2 | 0 | 3 | 11/06/97 | EP | | | | |
| * | BY | 1 | 2 | 6 | 2 | 5 | 6 | 4 | 01/06/94 | EP | | | | |
| * | BZ | 1 | 2 | 7 | 1 | 6 | 0 | 9 | 09/19/97 | EP | | | | |
| * | CA | 1 | 2 | 9 | 6 | 1 | 4 | 3 | 09/02/98 | EP | | | | |
| | CB | 9 | 4 | 1 | 1 | 5 | 3 | 0 | 05/26/94 | PCT | | | | |

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|---------------------|---------------|-----------------|---|---|---|---|---|---|----------|---------|-------|--------------|-------------|----|
| | | | | | | | | | | | | | Yes | No |
| * | CC | 9 | 4 | 1 | 6 | 1 | 0 | 1 | 07/21/94 | PCT | | | | |
| | CD | 9 | 4 | 2 | 1 | 8 | 2 | 2 | 09/29/94 | PCT | | | | |
| | CE | 9 | 6 | 2 | 9 | 4 | 3 | 1 | 09/26/96 | PCT | | | | |
| | CF | 9 | 6 | 3 | 2 | 5 | 0 | 4 | 10/17/96 | PCT | | | | |
| | CG | 9 | 7 | 0 | 8 | 3 | 0 | 6 | 03/06/97 | PCT | | | | |
| | CH | 9 | 7 | 3 | 3 | 0 | 0 | 0 | 09/12/97 | PCT | | | | |
| | CI | 9 | 7 | 3 | 7 | 0 | 4 | 1 | 10/09/97 | PCT | | | | |
| | CJ | 9 | 7 | 4 | 2 | 3 | 4 | 8 | 11/13/97 | PCT | | | | |
| | CK | 9 | 8 | 1 | 2 | 3 | 5 | 5 | 03/26/98 | PCT | | | | |
| | CL | 9 | 8 | 1 | 2 | 7 | 3 | 4 | 03/26/98 | PCT | | | | |
| | CM | 9 | 8 | 1 | 4 | 9 | 8 | 2 | 04/09/98 | PCT | | | | |
| * | CN | 9 | 8 | 2 | 0 | 0 | 1 | 9 | 05/14/98 | PCT | | | | |
| | CO | 9 | 8 | 2 | 0 | 1 | 6 | 6 | 05/14/98 | PCT | | | | |
| * | CP | 9 | 8 | 2 | 0 | 0 | 2 | 0 | 05/14/98 | PCT | | | | |
| | CQ | 9 | 8 | 2 | 6 | 0 | 9 | 5 | 06/18/98 | PCT | | | | |
| | CR | 9 | 8 | 5 | 4 | 5 | 7 | 1 | 12/03/98 | PCT | | | | |
| | CS | 9 | 9 | 1 | 2 | 0 | 4 | 0 | 03/11/99 | PCT | | | | |
| | CT | 9 | 9 | 1 | 4 | 3 | 7 | 5 | 03/25/99 | PCT | | | | |
| | CU | 9 | 9 | 3 | 1 | 2 | 7 | 8 | 06/24/99 | PCT | | | | |
| | CV | 9 | 9 | 5 | 7 | 3 | 1 | 8 | 11/11/99 | PCT | | | | |

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|----|--|
| | CW | Brummel <i>et al.</i> , "Evaluation of mass spectrometric methods applicable to the direct analysis of non-peptide bead-bound combinatorial libraries", <i>Anal. Chem.</i> , <u>68</u> :237-242 (1996) |
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| | | | | | | | | | | | | | Yes | No |
| | BI | 0 | 0 | 5 | 6 | 4 | 4 | 6 | 09/28/00 | PCT | | | | |
| | BJ | 0 | 0 | 6 | 0 | 3 | 6 | 1 | 10/12/00 | PCT | | | | |
| | BK | 0 | 1 | 0 | 1 | 1 | 7 | 7 | 12/11/03 | PCT | | | | |
| * | BL | 0 | 1 | 2 | 7 | 8 | 5 | 7 | 04/19/01 | PCT | | | | |
| | BM | 0 | 1 | 9 | 6 | 6 | 0 | 7 | 12/20/01 | PCT | | | | |
| | BN | 0 | 2 | 0 | 4 | 4 | 8 | 9 | 01/17/02 | PCT | | | | |
| * | BO | 0 | 2 | 2 | 5 | 5 | 6 | 7 | 03/28/02 | PCT | | | | |
| * | BP | 02 | 0 | 5 | 5 | 1 | 9 | 9 | 07/18/02 | PCT | | | | |
| | BQ | 02 | 0 | 7 | 2 | 6 | 0 | 4 | 09/19/02 | PCT | | | | |
| | BR | 02 | 0 | 8 | 6 | 7 | 9 | 4 | 10/31/02 | PCT | | | | |
| | BS | 03 | 0 | 3 | 5 | 2 | 3 | 9 | 05/01/03 | PCT | | | | |
| | BT | 03 | 0 | 3 | 5 | 2 | 6 | 0 | 05/01/03 | PCT | | | | |
| | BU | 03 | 0 | 3 | 6 | 2 | 6 | 3 | 05/01/03 | PCT | | | | |
| * | BV | 03 | 0 | 4 | 0 | 4 | 0 | 8 | 05/15/03 | PCT | | | | |
| * | BW | 03 | 0 | 8 | 7 | 4 | 1 | 0 | 10/23/03 | PCT | | | | |
| * | BX | 1 | 1 | 6 | 4 | 2 | 0 | 3 | 11/06/97 | EP | | | | |
| * | BY | 1 | 2 | 6 | 2 | 5 | 6 | 4 | 01/06/94 | EP | | | | |
| * | BZ | 1 | 2 | 7 | 1 | 6 | 0 | 9 | 09/19/97 | EP | | | | |
| * | CA | 1 | 2 | 9 | 6 | 1 | 4 | 3 | 09/02/98 | EP | | | | |
| | CB | 9 | 4 | 1 | 1 | 5 | 3 | 0 | 05/26/94 | PCT | | | | |

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